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## 1. Journal Article

## A framework for secure execution of software

Antonio Maña, Javier Lopez, Juan J. Ortega, Ernesto Pimentel and Jose M. Troya

The protection of software applications is one of the most important problems to solve in information...

*International Journal of Information Security, Volume 3, Number 2 / November, 2004*[PDF \(990.8 KB\)](#)

## 2. Book Chapter

## Toward Ubiquitous Acceptance of Biometric Authentication: Template Protection Techniques

Madalina Baltatu, Rosalia D'Alessandro and Roberta D'Amico

...secret sharing scheme. The fundamental goal of this technique is to secure biometric systems sensitive to privacy issues and which rely, at some extent, on...

*Lecture Notes in Computer Science, Biometric Authentication*[PDF \(341.4 KB\)](#)   [HTML](#)

## 3. Book Chapter

## Biometric User Authentication for Heightened Information Security

Qinghan Xiao

...Unlike the common post-boot authentication method, an approach of pre-boot biometric authentication is presented with different solutions to enhance network security. In real...

*Lecture Notes in Computer Science, Biometric Authentication*[PDF \(251.1 KB\)](#)   [HTML](#)

## 4. Book Chapter

## Biometric Recognition: How Do I Know Who You Are?

Anil K. Jain

...physiological and/or behavioral characteristics that are inherent to the person. Although biometric systems have been successfully deployed in a number of civilian applications, current...

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## Improving the Binding of Electronic Signatures to the Signer by Biometric Authentication

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methods deployed...

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6. Book Chapter

Secure Biometric Authentication for Weak Computational Devices

Mikhail J. Atallah, Keith B. Frikken, Michael T. Goodrich and Roberto Tamassia

This paper presents computationally "lightweight" schemes for performing biometric authentication that carry out the comparison stage without revealing any information that...

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7. Book Chapter

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Jovan Dj. Golić and Madalina Baitatu

...new, soft two-level approach for the generation of multiple and revocable biometric keys, adapted to the analog nature of biometric signals, is proposed. It...

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Raphael C.-W. Phan and Bok-Min Goi

*Lecture Notes in Computer Science, Computational Science and Its Applications – ICCSA 2005*

PDF (128.6 KB)

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9. Book Chapter

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Frank Stajano

*Lecture Notes in Computer Science, Security Protocols*

PDF (321.4 KB)

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10. Book Chapter

On the Rila-Mitchell Security Protocols for Biometrics-Based Cardholder Authentication in Smartcards

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### A Formal Study of the Privacy Concerns in Biometric -Based Remote Authentication Schemes

Qiang Tang, Julien Bringer, Hervé Chabanne and David Pointcheval

...we propose a novel security model to formalize the privacy concerns in biometric-based remote authentication schemes. Our security model covers a number of practical...

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Due to the fact that the biometric characteristics of a person are bound to that person, biometric methods deployed...

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3. Book Chapter

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Gerrit Bleumer

...equipped with a tamper resistant biometric authentication facility. We...

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4. Book Chapter

### Capacity and Examples of Template-Protecting Biometric Authentication Systems

Pim Tuyls and Jasper Goseling

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Jan Jürjens  
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**Trusted Mobile Platforms**  
Eimear Gallery and Chris J. Mitchell  
...focus in particular on three mobile applications, namely OMA DRM, SIMLock, and software download  
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Raphael C.-W. Phan and Bok-Min Goi  
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